



Data Processing Digest

6820 LA TIJERA BOULEVARD • LOS ANGELES, CALIFORNIA • 90045

PUBLISHED EACH MONTH SINCE 1955

1979 ANNUAL SUPPLEMENT

VOLUME 25, 1979

1979 ANNUAL SUPPLEMENT

CONTENTS

INDEX:

Title	1
Author	6
Subject	8

REFERENCE LIST:

Periodicals	12
Book Publishers	14
Organizations	14

INDEX

This is the annual index for DATA PROCESSING DIGEST for the year 1979, Vol. 25, Nos. 1-12. The index is divided into three sections: the list of titles as they appeared in the Digest, a list of the authors, and a subject index. All articles are cited by one or more subject words.

Italic titles are books, periodicals or reports. The numbers following the entries indicate issues and pages in which the item is found. The number preceeding the hyphen is the issue; the numbers following the hyphen are the pages.

Title

Access To Information In Europe, 5-21
Accounting Controls In a Minicomputer Installation, 8-10
Accrediting the Information System Curriculum — Achieving the "Spirit" Rather Than the "Letter" Of the Law, 11-16
ACS Is Coming, 3-5
Add-On Memories, 3-7
Administration Calls For Public Comment On Electronic Mail, 5-16
Adopting a System Release Discipline, 4-5
The Analysis Of User Needs, 4-1
And Now For Something Completely Different, 3-7
Apple, 6-25
Application Of Documentation Standards To Computer Systems, 8-14
Application Packages, 12-10, 11
An Approach To Data Security, 3-16
Auditing the Data Base: Down the Tortuous Transaction Path, 3-4
Auditing and DP: Redressing the Relationship, 2-31
An Automated Warehouse's Many Benefits, 3-20

The Charles Babbage Institute Newsletter, 7-31
Backup EDP Facilities Program Moving Ahead, 5-14
Bank Software Directory, 3-14
The BASIC Handbook, 11-19
The BASIC Idea, 8-18
Be Prepared, 11-4

Benchmarking Software: The Final Evaluation, 5-10
Beyond Cost Savings — Packet Networks Come Of Age, 4-10
Bibliography of 1978 Performance Literature, 5-13
Books Useful In Teaching Business Applications Of the Computer, 12th Edition, 4-25
Brazilian Micrographics Groups Needs Information, 1-18
Breaking the Stranglehold, 9-25
Bridging the Planning Gap, 12-9
Bubble Memories — Mass Storage In the Palm Of Your Hand, 8-7
Building Blocks and Microcomputers, 12-13, 14
Burroughs Software Networks CPUs Over Dial-Up Or Packet Switched Lines, 1-15
Byte, 1-19, 2-32, 4-24, 5-24, 6-25, 7-31, 8-16, 9-27, 10-12, 11-17, 12-21

Canadian-developed Videotex Offers Exciting Possibilities, 3-6
Canadian Videotex System, 7-7
Capacity Planning At American Airlines, 11-8
Capacity Planning Simplified, 11-6
Capture Data Automatically — A Do-It-Yourself Perspective, 6-15
Care About Forms and Media, 9-22
Careers In Computers and Data Processing, 5-26
The Case For Plug-Compatible Mainframes, 4-8
A Catalyst For Office Of the Future, 2-3

Causes Of Erroneous Data Input, 9-22
CDP Review Manual: A Data Processing Handbook, 4-25
Cellular-Logic Devices: Concepts and Applications, 7-13
Central Management For Distributed Intelligence, 7-3
Centralize? Decentralize? Distribute? 6-14
Certification Testing: A Procedure To Improve the Quality Of Software Testing, 11-6
The Changing Face Of Applications Programming, 2-17
Charging For Computer Time, 2-25
Charging For Computer Resources, 8-3
Checkless Society Gets Closer, 5-20
Chicago Printer Gets Managerial Aid Using Multiprogrammable Computer, 12-16
Citibank Funds Transfer Network, 7-3
Clean, Steady Power Prevents Problems For Mainframes, 7-16
The COM Peripheral — An Idea Whose Time Has Come, 5-20
The Coming Of Courseware, 7-13
Communications News, 2-10
Communications Tug-Of-War, 12-8
A Comparison Of Mainframe and Mini-computer Operating Systems, 5-4, 8-20
A Compendium Of EFTS Software, 5-10
The Comptroller Of the Currency's EDP Examination Procedures, 4-22, 7-19, 20, 8-10
Computer Abuse and Its Control, 3-16
Computer Control and Audit: A Total Systems Approach, 8-17

2 DATA PROCESSING DIGEST 12/79

- The Computer and Its Peripherals, 4-16
Computer Concepts For Small Business, 1-20
Computer-Managed Instruction: State Of the Art, 11-16
Computer Master File Audit — A Systematic Approach, 9-22
Computer Models In Management, 12-23
Computer Networks In Process Control, 3-18
Computer Power For the Small Business, 12-22, 23
Computer Support For Managers, 8-5
A Computer System For Inventory Control, 12-15
Computer Takes On MRP, Savings Multiply, 6-20
Computer Techniques In Cardiology, 4-25
Computer Time-Sharing For CPAs, 3-22
Computer Users Speak Their Minds, 5-11
Computerized Authorization Protects Retailer, 1-9
Computerized Index Is Good News For TV Network, 7-21
Computerized Production-Control System, 11-10
Computers and Audit Programs, 11-3
Computers Are Making Giant Strides In Automating Production — But Human Decision Making Is Still Crucial (Productivity II: Electrotechnology To the Rescue), 1-6
Computers Come To the Farm, 7-21
Computers In Business Management, 3-24
Computers In Industry, 12-16
Computers and Medieval Data Processing, 8-20
Computers, Modeling, and Management Education, 4-23
Computers: Our "Microuniverse" Expands, 5-1
Computers Take To the Field, 9-24
Computing In China, 1978, 6-23
Computing In Your Business, 11-20
Confidentiality Of Computerized Patient Information, 11-2
Configuring An LSI-11 System, 1-3
The Consequences Of Minicomputers, 2-22
Conserving Energy Through Computerized Building Automation, 5-19, 8-20
Control Of Program Maintenance, 6-7
Controls Over Using and Changing Computer Programs, 8-10
Converting Your Systems Successfully, 11-7
Cost Justifying Data Collection, 3-14
Creative Computing, 1-19, 3-23, 5-23, 6-26, 8-16, 9-28, 10-12, 11-17, 12-20
- Data Communications In Transition, 2-8
Data Communications System For the APL User, 7-2
Data Encryption: Is It For You? 3-14
Data Processing Chargeback: A Realistic Model For Information Value, 7-24
Data Processing Glossary, 8-19
Data Security, 11-1
Database Administration: Functional, Organizational, & Control Perspectives, 4-21
Datamation, 6-26
DataVision and Text TV In Sweden, 7-6
A DBMS Architecture For Prudent Managers, 6-13
- Decentralized Data Processing and the Industrial Manager, 2-14
Deciding the Conditions Which Are Tolerable, 12-18
Design System Speeds Service, Boosts Sales, 3-22
Desk-Top Computer Or Mini — Which Is Better For You? 8-7
Developing and Implementing an Integrated Test Facility To Test Computerized Systems — MAP-12, 9-29
Developing an Internal EDP Audit Capability In an Insurance Company, 11-3
Developing a Strike Contingency Plan For the Unionized Data Processing Department, 8-4
The Development Of Software Systems To Aid In Physical Planning, 2-18
Disaster Recovery: Picking Up the Pieces, 6-17
Disasters: Are You Sure You're Really Covered? 11-3
Dispelling Minicomputer DBMS Myths, 12-4, 5
Distributed Computer Control For an Offshore Platform, 3-19
Distributed Data Processing, 2-13
Distributed Processing — The Second Generation, 4-8
Distributed System Security, 8-3
Down On the Farm, 12-15, 16
The DP Check-Up, 1-10
DP Salary Survey, 1-16
Dr. Dobb's Journal, 2-32, 3-23, 4-23, 6-26, 7-32, 11-18, 12-20
- Economical Development Of Microprocessor Software: Part 2, 7-9
EDP Systems Maintenance, 11-9
Education Researchers Develop Micro System For Science Courses, 4-18
The Effectiveness Of Computer-Assisted Instruction In Secondary Schools, 12-19
Electronic Mail, 7-1
Electronic Mail Diversifies With Technological Innovations, 8-15
The Electronic Mailman: 1, 2, 9-9, 11
Electronics In Medicine, 4-14
11/60 Cost-Effective For Mid-Range Users, 5-6
Encyclopedia Of Information Systems and Services, 8-20
Entering More Than Just Data, 2-3
Evaluating EFT Systems, 5-10
Experts Look Ahead To the Day Of the Full-Blown Computer-Integrated Automatic Factory (Productivity II: Electrotechnology To the Rescue), 1-7
External Data Support Speeds Traffic Computerization, 8-7
- Facsimile — New Life For an Old Idea, 11-9
Facsimile: New Products Bring Compatibility, Hybrid Switching, 11-9
Fiber Optics — An Uncomplicated Guide, 9-24
Fibre Optics Technology Will Revolutionize Communications, 7-17
Fibre Optics: Vanguard Of Future Communications, 8-7
Fire! And How To Prevent It, 11-4
Fire In the Computer Room: What You Can Do To Reduce the Risk, 5-13
First-Rate Savings In Secondhand Equipment, 4-13
Floppy Disk Systems, 2-20
Flowchart-Free Approach To Documentation, 6-6
- For Detroit: Smaller and Smarter Chips, 2-21
Four Approaches To a Data Base Computer, 3-2
Fourth Workshop On Computer Architecture for Non-Numeric Processing, 2-20
From the Computer To the Bottom Line, 12-21, 22
From Pascal To Pebbleman — and Beyond, 9-2
Fruitcakes, Nuttier Than, 2-25
Fundamentals Of Computer In Business: A Systems Approach, 11-18
Future Computer, 6-22
The Future Of Applications Generators In Corporate Systems, 8-14
- Gaining a New Respectability, 6-16
GE Jumps Into DDP Market With Single-Source Network, 4-7
GE's New MarkLink System, 5-16
GE's Services Division Announces a New DDP Solution, 3-6
Get Ready For Major Changes, 2-1
Getting It All Together — A New Outline Library System, 2-30
Getting the Most From Your Minicomputer, 5-19
Getting the Most Out of Timesharing, 6-17
Getting the Most Out Of Your Data Center, 7-19
Getting Ready For IMS/VS, 4-11
Getting the System Together, 7-22
GIGO 79-02, 7-32
Going the Distributed Processing Route, 12-5, 6
Government Computer Systems Slammed, 5-12
Graphics For Everyone (Even For Executives), 11-10
Greater Security For the Data Processing Facility, 11-4
The Growth Of Databank Sharing, 1-13
GSD Counters "Orbit" With a New System/38, 1-1
Guide To Manu-Software Evaluation, 5-10
Guide To Production Control Systems, 1979/80, 9-29
Guide To Small Business Systems, 1979, 3-10
Guide To Word Processing Systems, 1979, 3-10
Guidelines For the Evaluation Of Information Systems and Services, 1-20
Guidelines To Data Processing Management, 4-22
- Hard Disk Drives, 5-3
Hardware Is Easy: It's Software That's Hard, 2-17
Hardware and Software For Unattended Minis, 9-14
A High-Level Language For Micros and Minis, 9-2
How To Communicate Computerese, 4-22
How To Communicate With the Computer — Part 4, 9-25
How To Plan For Computerization, 9-15
How To Prepare For the Coming Changes, 7-25
How To Survive WP Catastrophes, 5-20
How WP and DP Relate, 7-27
- IBM "E" Series — Impressive and a DDP Tilt, 5-8

- IBM Introduces Long-Awaited "E" Series, 5-8
- IBM Mini Offers Data Base, RPG III, Online Operation, 2-22
- IBM Mini Supports Networks or Stands Alone, 1-2
- IBM's Office Products Gang Ushers In the 6670 — An Intelligent Printer It Is, 5-8
- The Impact Of Computers On Professional Malpractice Liability, 8-10
- The Impending Impact Of Distributed Information Systems, 6-12
- Implementation and Cost Effectiveness Of Computerized Legal Research — LEXIS and Westlaw Compared, 5-18
- Individual WP Users: A Self-Sufficient Breed, 8-15
- Information Market Place 1978-79*, 4-25
- Information Systems Concepts For Management*, 7-30
- Information Technology Service Survey Report On Mass Storage Systems, 2-28
- Information Technology 78 — Proceedings Of the Third Jerusalem Conference On Information Technology*, 5-25
- Innovative Assembly Line Uses Computer-Controlled Carriers, 7-21
- The Ins and Outs Of Database, 11-7, 12-3, 4
- The Ins and Outs of Database, Part 2, 12-3, 4
- Instrumentation: Ingenuity Abounds, 4-14
- Interactive Computer Graphics: Flying High, Part 1, 2, 12-1, 2
- Interactive Industry System Uses 3640-Series Terminals, 1-2
- The Interactive Movement, 5-17
- Interface Age*, 1-20, 2-32, 3-23, 5-23, 6-25, 9-27, 12-20, 21
- Interfaces On a Chip, 1-4
- International Directory Of Software*, 12-11
- An Introduction To Decision Logic Tables*, 3-24
- An Introduction To Distributed Data Processing*, 11-19
- I/O Computer Interface Standards: How To Brew a Multi-Billion-Dollar Mess, 5-22
- IRM: New Directions In Management, 12-9
- Issues In Data Base Management*, 12-22
- It's Still a Big Step To Install a Small Computer, 2-10
- ITT Worldcom's Master Plan: Universal Data Transfer Service, 7-3
- Kilobaud*, 1-19, 2-32, 3-24, 4-24
- Kilobaud Microcomputing*, 8-16, 9-28, 11-18
- Language Extensions, Utilities Boost Pascal's Performance (Putting Pascal To Work, Part 1), 9-3
- Learning With Computer Simulation, 12-19
- Let's Take Automation One Step Further, 2-16
- Line Printers, 4-9
- Locating Data Fields In Abnormally Ending Programs, 11-7
- Making the Best Of the Paper Mountain, 12-12, 13
- Making the Most Of Performance Monitors, 2-26
- Making a Rational Decision, 4-14
- Making Your Decision Support System Pay Off, 8-12
- Management Information Systems, 6-11
- Management Issues In Cooperative Computing, 6-9
- Management Methodology For Software Product Engineering*, 4-26
- Management Policies and Procedures Needed For Effective Computer Security, 3-17
- A Manager's Guide To Profitable Computers*, 7-27
- Managing the Crises In Data Processing, 6-20
- Managing Data Communications, 2-9
- Managing the E.D.P. Resource, 7-24
- Managing the Installation, 2-28
- Managing a Large Multivendor Operating Environment, 12-16, 17
- Manufacturing Opts For Productivity, 7-22
- Medical/Health System Eases Pain Of Literature Searches, 2-30
- A Method For Scheduling, 3-12
- Micro*, 6-25, 11-17, 12-21
- "The Microarchitecture Of Univac's 1100/60, 9-25
- Microcomputer Development Systems, 12-11, 12
- The Microcomputer Invades the Production Line, 4-17
- Microcomputers In Small Business, 2-20
- Microcomputers Promise Less Stop, More Go, 2-29
- The Microprocessor Popularity Race, 3-9
- Micros Measure Man's Mental Might, 4-18
- Milestone In Portable Data Entry Gear, 12-13
- Mini-Micro Systems*, 4-24, 5-24
- Minicomputers In Industrial Control: An Introduction*, 8-17
- Minicomputers In Library Automation (Mitre Technical Report 7938), 9-23
- Mini-Computers — Low-Cost Computer Power For Management*, 7-29
- Minicomputers: One Bank's Basic Systems Approach, 3-21
- Minimizing Power Problems, 12-17
- MIS At International Paper: An Integrated Teleprocessing Network, 6-11
- Missing Dimensions In Systems Engineering, 6-16
- Modelling Computer Privacy Costs, 8-11
- MRP Pays Off In One Year, 6-19
- MRP — Who Needs It? 9-23
- Negotiating and Documenting Financial Concessions, 7-25
- Network Diagnostic Tools, 6-8
- Networking — and Beyond, 9-6
- Negotiating Harmonics: The Importance Of Maintaining a Strong Aspiration Level, 5-15
- New Architecture Goes With Flow, 6-20
- New Copyright Act Can Be Tax Hazard To Software Producers, 1-16
- New IBM Architecture Bows, 1-2
- New Networks Tie Down Distributed Processing Concepts, 2-6
- New Prime Minis Carry 2 Yr. Trade-In, 5-2
- The New Top Managers, 8-12
- The New Turnkeys, 9-16
- The Next COBOL Standard, 12-10, 11
- A "No Hands" Security System, 5-14
- Nova 4s Outperform 3s, Expand Self Diagnostics, 4-6
- OCLC: A National Library Network*, 7-28
- An Office Communications System, 11-13
- On Estimating, 9-18
- On Foiling Computer Crime, 9-21
- onComputing*, 8-15, 11-17
- The Operator's Changing Status, 4-23
- The Overhardwareization Of America, 5-13
- Panvalet Security and Control, 6-19
- Pascal Is a "Natural," 6-1
- Pascal Power, 9-1
- Pascal Software Supports Real-Time Multiprogramming On Small Systems (Putting Pascal To Work, Part 2), 9-4
- The PCM's: IBM's New Competition — Or Are They? 4-7
- Peanut Butter and Jelly Guide To Computers*, 5-25
- People's Computers*, 2-32
- Performance Appraisal, 9-19
- Performance Of Computer Installations: Evaluation and Management*, 8-19
- Personal Computing*, 2-32, 3-23, 5-24, 6-26, 7-31, 8-16, 9-28, 11-17, 12-20, 21
- Planning For International Data Processing, 2-15
- Popular Computing*, 1-19
- Popular Science*, 5-24
- Positive Personal Identification, 1-13
- Postal Service To Revise Data Processing Exemption, 5-15
- Potential Technology Implications For Computers and Telecommunications In the 1980s, 9-8
- A Practical Guide To Data Maintenance, 12-17, 18
- Practical Optical Fibre Datalinks, 5-3
- Predicting Software Errors, 12-11
- A Prescription For Programming's Least Popular Phase, 4-4
- Preserving Computer-Related Source Materials*, 9-29
- The Price Of Pioneering: A Case Study, 5-11
- A Primer On Virtual Memory, 11-5
- Principles Of Business Data Processing With BASIC*, 8-18
- Principles Of Database Management In a Distributed System, 3-1
- Problem Solving and BASIC*, 8-18
- Proceedings of 11th ICA Conference*, 3-25
- Proceedings Of the Software Quality and Assurance Workshop*, 6-6
- The Production Of Better Software, 6-5
- Program Design Techniques, 7-11
- Programmer Productivity In a Structured Environment, 8-8
- Programming In BASIC*, 8-18
- Programming Languages: Special Tools For Special Tasks, 6-7
- Programming Microcomputer Systems With High-Level Languages, 3-12
- Project Control Systems, 9-17
- Proprietary Software and the MIS, 4-3
- Protecting Computerized Information, 7-18
- Protecting Software With Copyrights, Patents, Trade Secrets, 3-13
- The Protection Of Computer Facilities and Equipment: Physical Security, 4-19
- Public Data Networks: Their Evolution, Interfaces and Status, 9-7
- Putting DECnet Into Perspective, 6-9
- The Quick and Dirty Way To Implement Datacom Nets, 6-11

- RACF Implementation — A Case History, Part 2, 12-18
- RACF — A Program To Enhance Security and Control, 9-20
- Rainbow, 4-24
- Rating Guide For Selecting Hardware/Software Vendors, 4-14
- Reading List, 12-23
- Recreational Computing, 6-25, 7-32, 9-29, 11-18
- The Recreational Programmer, 1-19, 4-24, 6-25, 8-16
- Report Of The Public Terminal Study, 5-17
- A Research Perspective On Computer-Assisted Office Work, 11-14
- Resource Sharing Protocols, 12-7
- Retailers Liked It, But City National Bank, Citing Fraud, Other Losses, Drops Its Check Guarantee Service, 5-19
- Rethinking Terminal Security Requirements, 1-11
- Robots Quietly Take Their Places Alongside Humans On the Production Line To Raise Productivity — and Do the "Dirty Work" (Productivity II: Electrotechnology To the Rescue), 1-8
- RPG State Of the Art, 5-11, 7-12
- Satellite Communications — A Vehicle For Information, 7-4
- Satellites Save Money, 9-12
- The Security Of Managers' Information, 9-20
- Scheduling Packages For Data Processing, 2-16
- Security Risk Analysis, 7-17
- Selecting a Mini-Computer, 8-12
- Selecting a Small Computer, 4-14
- Selecting Software For the Business Mini, 2-11
- A Selection Of Multi-Microcomputer Systems, 4-13
- Serve Company-Wide Business Objectives, Consultant Tells Datacomm Network Managers, 5-16
- Setting Up a Microcomputer Design Lab, 8-13
- Share the Power, Pare the Cost, 7-17
- Siamese-twin Computers Advance Law Firms Far Beyond Word Processing, 4-18
- The Significance of X.25, 12-7, 8
- Simple Multitasking On Microcomputers, 7-10
- Simplified Computer Communications Help International Trade, 5-19
- Sixth Annual Survey Of Performance-Related Software Packages, 3-11
- The Skeleton Program Methodology, 1-10
- Slashing Software Maintenance Costs, 9-5
- Small-Computer Users' Group Releases 1st Mini Evaluation, 4-3
- Small Systems World, 1-19
- Smooth DOS to OS Move, 2-27
- Smoothing Data Base Recovery, 4-4
- SNA and the User — A Troubled Marriage? 2-4
- Softside, 12-20
- Software Configuration Management: A Tutorial, 7-8
- Software — A Guide Through the Maze, 5-9
- Software Opens Up Jobs For Blind, 6-4
- Software Testing — Planning Your Moves, 8-9
- Software Tools For the Data Department, 6-8
- Something's Very Wrong With DP Operations Jobs, 6-18
- Special Risk In Software Contracts, 8-1
- Spotty Satisfaction: Results Of a Survey Of Mini Users, 1-5
- Spreading It About, 9-13
- Status Report On New Standards For DTE/DCE Interface Protocols, 12-6
- Strategic Planning For Information Management Effectiveness, 12-9, 10
- Strategic Planning For Information Systems, 1-9
- Strengths and Weaknesses Of Prestel, 7-5
- Structure: The Key To Pascal's Problem-Solving Power, 9-2
- Structured Programming Techniques, Part 2, 9-5
- A Survey Of Distributed Data Base Management, 6-12
- A Survey Of Recent Texts On BASIC, 8-18
- Surveying Small Business Systems, 9-16
- Switching System Boasts Universal Access, 1-15
- System Design Considerations For Graphic Input Devices, 2-11
- System House — Solving Their Own Problems, 1-16
- Systems In Action — A Managerial and Social Approach, 7-29
- Systems Using Raytheon, Data General Gear Advance Medical Diagnostics, 3-21
- Taking the Measure Of Programmer Productivity, 8-8
- Tapping Computer Power Anywhere, 6-20
- A Tax Collection System Even Taxpayers Like, 2-28
- Technology Prompting Evolution Of System Architecture, 1-18
- The Technology Swirl, 2-24
- Technology Trends In Desktop Computers, 3-9
- Telset, the Finnish Viewdata, 7-5
- Text Retrieval Computers, 7-15
- Things Are Looking Up For Software, 4-4
- Three Short Subjects On MRP Software, 6-3
- The TICCIT Experience, 4-19
- Today's Role For the Big Computers, 5-6
- Tools For Building an EIS, 11-11
- Top-Down Structured Design Techniques, 5-25
- TOTAL Leads With More Than 2000 Installations, 4-12
- Toward User Oriented Performance Management, 7-23
- Transborder Data Flow, 2-24
- Transborder Dataflow — A Threat To Sovereignty, 7-18
- Transformation Of the Information Industries, 2-23
- Trends In Computer Printer Technology, 3-8
- TRS-80 Computing, 7-32
- 1200-Baud Modems Cut Data Comm Costs, 2-6
- Typeworld, 12-3
- Unhappy Computer Users Have Themselves To Blame, 5-11
- Universal Architecture In Sight, 7-23
- Us vs Them, 5-23
- User Evaluation: What's In It For the Operations Manager, 1-11
- User Ratings Of Database Management Systems, Teleprocessing Monitors, and Data Management Systems, 9-13
- Users Love It, Vendors Are Getting the Message, and Standards Are On the Way, 9-1
- VDUs and the Eyes — the Official Story, 8-2
- Videotex Developments In France, 7-7
- Videotex — An Overview Of Electronic Information Services, 7-4
- Viewdata: A New Way Of Distributing Books and Information, 3-6
- Virtual Transaction Testing (VTT) — An Auditing Technique For On-Line Data Bases and Computer Networks, 6-18
- VM/370 — A Study Of Multiplicity and Usefulness, 5-7
- Wang Combines OIS Office Series, Fiber Optic Printer, 4-6
- Watch With Viewdata, 4-10
- Western Canada In Review, 12-14, 15
- What If Disaster Hits Your Data Processing? 8-4
- "What If? Why Not?" A Profitable Approach To Planning Ahead, 3-22
- What Information Do Managers Need? 9-26
- What Management Should Know About Word Processing, 1-17
- What's Happening With Data Base Processors? 4-12
- When a Picture Says a Thousand Words, 3-8
- Where Microfilm and Computers Meet, 1-17
- Which Data Comm System Is the Solution? 2-5
- Which Type Of Terminal Is Right For You? 11-5
- With a Little Help From Your Computer, 1-5
- Word and Data Processing Merge, 9-24
- Word Processor Translates Languages, 4-9
- You and Your Computer Contract, 8-2

Author

Abernathy, Frances Smith, 9-15
 Allan, Ann, 7-28
 Allan, Roger, 4-15, 17
 Allen, Joseph, 7-29
 Allison, Anne Marie, 7-28
 Amdahl, Lowell, 2-24
 Arvin, Joseph L., 5-19
 Axelrod, C. Warren, 2-16

Baerlund, Ole, 7-5
 Ball, Dr. Leslie, 3-13
 Barna, Becky, 2-5
 Bate, Roger R., 9-4
 Belilove, James R., 1-13
 Benevento, Francis O., 7-3
 Berg, John L., 6-13
 Berger, Roger W., 2-20
 Berglund, Ralph, 2-8
 Bernard, Dan, 6-9
 Bernstein, M.I., 2-17
 Bersoff, Edward H., 7-8
 Bethke, Bud, 5-11, 7-12
 Bigelow, Robert, 1-16
 Bishop, Thomas C., 1-11
 Block, Arthur, 8-8
 Boar, Bernard H., 11-7

- Bochner, Peter, 4-9, 18
 Bonini, Charles P., 4-23
 Bork, Alfred, 12-19
 Bowers, Dan M., 9-16
 Boyd, Sandra, 9-5
 Bozeman, William C., 11-16
 Branscomb, Lewis M., 6-22
 Braun, Theodor H., 4-3
 Bray, Olin, 4-12
 Brinkman, Barrie L., 4-13
 Brinton, James B., 6-20
 Bromberg, Howard, 2-22
 Brotman, Stuart, 9-9, 11
 Broughton, David C., 7-10
 Brown, Donna, 9-20
 Brown, H.G., 7-7
 Burch, John G. Jr., 8-17
- Cady, Lee D. Jr., 4-25
 Carlile, Larry L., 5-17
 Carroll, John C., 8-4
 Chambers, Andrew D., 3-16
 Champine, George A., 3-2
 Clark, Richard, 7-4
 Cole, Holly, 8-7
 Collins, Dr. Frank, 9-22
 Conrad, Marvin, 9-2
 Cooke, Lawrence H. Jr., 9-18
 Cooke, Ronald R., 2-6
 Couger, J. Daniel, 6-18
 Cox, Gerald, 8-7
 Crossman, Trevor D., 8-8
 Crutchley, Wayne, 4-16, 5-9, 7-22
- Dahl, Fred, 12-22, 23
 Damiano, Frank, 2-28
 D'Angelo, Joseph A., 11-5
 Darrow, Joel W., 1-13
 Davis, Dwight B., 2-22, 4-18
 Day, John D., 12-7
 De Rensis, Paul R., 8-10
 Deitzer, Bernard A., 2-31
 Denning, Dorothy E. and Peter J., 11-1
 Diamond, S. Lynn, 3-20, 5-19
 Diebold, John, 12-9
 Diroff, T.E., 4-19
 Dock, V. Thomas, 8-18
 Donelson, William S. II, 9-23
 Doolittle, Harold F. Jr., 1-17
 Dunn, Nina, 5-23, 7-19
 Durniak, Anthony, 1-2, 2-6
- Eads, William, 8-7
 Eagleson, Dick, 11-7, 12-3, 4
 Edwards, Morris, 2-3, 7-23
 Eger, John, 2-24
 Egli, Raetus, 8-14
 Emmett, Ralph, 4-7
 Emory, William A. Jr., 4-22, 7-19, 20, 8-10
 Engel, G.H., 11-13
 Engle, William B., 2-26
 Essick, Edward, 8-18
 Everest, Gordon, 4-21
- Faden, Rogers, 5-10
 Fawcett, Robert, 2-25
 Feidelman, Lawrence, 2-28
 Feldman, Samuel, 12-17, 18
 Ferrari, Domenico, 8-19
 Ferrarini, Elizabeth, 7-4
 Fletcher, Dennis, 5-11, 7-12, 9-1
 Folts, Harold C., 12-6
 Forsyth, Richard, 8-18
 Frazer, W.D., 9-8
 Freed, Roy N., 5-11
 Fried, Robert, 12-10, 11
- Gantos, Richard L., 1-9
 Garner, Harvey L., 6-23
 Geller, Henry, 9-9, 11
 Gerberick, Dahl A., 7-17
 Gilb, Tom, 2-16
 Gilbert, David, 12-7, 8
 Gilbert, Gil, 6-19
 Gilhooley, I.A., 3-16
 Ginsberg, Stephen, 6-8
 Glass, Bob, 9-2
 Goldstein, Robert C., 8-11
 Goodier, Martin, 7-3
 Grant, Jim, 7-18
 Greguras, Fred M., 5-17
 Groppuso, J., 11-13
 Gross, J.M., 5-4
 Gruenberger, Fred, 2-25
 Gruhn, A.M., 11-14
 Gunther, Richard C., 4-26
 Gustavson, Frances, 8-18
- Hager, Dan, 9-24
 Halsey, J.R., 9-7
 Hamilton, Dennis, 5-13
 Hamilton, Kenneth, 8-8
 Hansen, James V., 8-3
 Hansen, John R., 1-5, 16
 Hansen, William A., 4-23
 Hardy, L.E., 9-7
 Harm, Louis W., 5-10
 Harrison, Thomas J., 8-17
 Harvey, Samuel B., 12-9
 Hattery, Maxine, 2-30
 Head, Robert V., 1-9
 Heitger, Lester E., 8-3
 Henderson, Vilas D., 7-8
 Hill, Sandra M., 7-24
 Hirvonen, Maarit, 7-5
 Hoar, Thomas A., 11-3
 Hohl, A.C., 11-14
 Hollaar, Lee A., 7-15
 Howard, Phillip C., 11-8
 Hugo, L. St. J., 3-10, 9-29
 Hunt, Larry D., 6-18
 Hyndman, Brian, 5-25
- Jaakola, Pekka, 7-5
 Jackson, Barbara Bund, 12-23
 Johnson, Douglas S., 9-4
 Jones, Jack William, 8-12
 Joyce, James, 3-1
 Jurgen, Ronald K., 2-21, 4-14
- Katz, Michael S., 4-8
 Katzan, Harry, Jr., 11-19
 Kavanagh, John, 3-7
 Kauzas, Anthony T., 8-20
 Kearns, Brendan, 11-3
 Kelley, Neil D., 2-3, 4-8, 14, 5-17, 9-12
 Kenney, Donald P., 7-29
 Kintisch, Robert S., 2-10
 Kluckas, William, 2-15
 Knottek, Nancy, 1-16
 Koskinen, John, 6-15
 Kuhn, Janet K.R., 3-13
 Kuong, Javier F., 9-29
 Kvarnefalk, Gunnar, 7-6
- LaBarge, Dennis L., 3-18
 Lamond, Fred, 12-8
 Lancaster, F.W., 1-20
 Landvater, Darryl, 6-3
 Lee, Gerald W., 1-11
 Lee, Leonard S., 1-17
 LeGore, Laurence B., 4-4
 Lein, David A., 11-19
- Lettieri, Larry, 6-17, 20
 Levine, Arthur, 3-18
 Lientz, Bennet P., 7-29
 Lipner, Dr. Leonard, 11-6
 Lippin, Paula, 7-17
 Lipsher, Laurence E., 8-12
 Lord, J.C., 2-29
 Lord, Kenniston W., 4-25
 Loveland, Richard A., 6-9
 Lowenstein, R.A., 11-13
 Lucas, Henry C. Jr., 7-30
 Lum, Y.F., 7-7
 Lusa, John M., 5-20, 7-22
- MacKinnon, R.A., 5-7
 Madnick, Stuart E., 3-17
 Mandell, Mel, 1-5
 Marti, Bernard, 7-7
 Martin, George N., 11-9
 Mason, J. Michael, 6-4
 Mathis, Dr. Robert L., 9-19
 Mayer, James A., 6-11
 McCracken, Daniel D., 2-17
 McDaniel, Herman, 3-24, 5-26
 McGonigal, Richard M., 5-18
 McKell, Lynn J., 8-3
 McKenzie, Robert, 12-10, 11
 McLaughlin, Michael J., 4-8
 McLaughlin, R.A., 1-16
 McNeil, D.H., 4-5
 Mears, F.C., 3-19
 Mellor, Chris, 9-13
 Menkus, Belden, 7-27
 Meunch, F. William Jr., 3-22
 Miller, Floyd, 9-5
 Miller, Frederick W., 5-20, 6-16
 Miller, G.W., 11-8
 Miller, Merl, 12-21, 22
 Miller, Myron, 6-12
 Mills, Chet, 7-13
 Moneta, Josef, 5-25
 Moore, Roger, 7-2
 Morrison, Fred, 4-19
 Morse, C.F., 4-10
 Munson, George E., 1-8
 Myers, Ware, 12-1, 2
- Near, Charles, 8-7
 Nearing, G.H., 9-22
 Newsted, Peter R., 6-6
 Nierenberg, Alan, 11-3
 Nolan, Richard L., 6-20
- O'Brien, C.D., 7-7
 O'Brien, James A., 3-24
 O'Connor, Susan, 12-14, 15
 Ogdin, Carol A., 1-4, 3-9, 8-13
 Ohlson, Mark, 2-11
 Olling, Gustav, 1-7
 Olson, Joy, 9-22
- Palya, William L., 1-3
 Patrick, Robert L., 2-31, 4-4
 Patterson, Fred S., 3-22
 Paul, Sandra K., 3-6
 Pearsaul, Sara, 4-13
 Perry, James, 12-7, 8
 Perry, William E., 9-29
 Petersohn, Henry H., 12-17
 Peterson, Perry, 9-17
 Pitcher, John, 5-3
 Posa, John G., 3-12
 Powell, Dave, 4-3
 Powning, L.F., 9-7
- Rhodes, John M., 5-13
 Rhodes, Wayne L. Jr., 9-25, 11-9
 Rinder, Robert, 3-5

Rolefson, Jerome F., 1-10
 Rooney, Michael, 7-9
 Rose, Fred, 3-8
 Rose, Dr. Kenneth, 9-25
 Rosenberg, Alan P., 6-11
 Rosenberg, Ronald, 5-3
 Ross, Edward A., 3-9
 Ross, Steven J., 8-3
 Rowan, J.R. Jr., 3-12

Sackson, Marian, 8-18
 Sanders, Norman, 7-27
 Sanders, Ray, 2-9
 Sanderson, L.B., 2-29
 Sardinias, Joseph L. Jr., 8-17
 Sawchuk, W., 7-7
 Saxton, Dr. W.A., 7-23
 Schecter, David, 1-10
 Scherr, A.L., 2-13
 Schmelzer, Paul, 5-10
 Scott, George M., 3-4
 Seawright, L.H., 5-7
 Seiler, Robert E., 9-22
 Selsky, William L., 5-6
 Shaw, Donald R., 2-11, 9-16
 Sheiniuk, Gene, 11-4
 Sherman, Ken, 12-5, 6
 Shilliff, Karl A., 2-31
 Shillington, Keith, 9-2
 Siegel, Stan G., 7-8
 Simpson, George A., 9-23
 Sippl, Charles, 12-22, 23
 Smedley, B.S., 2-18
 Smiley, Bill, 6-16
 Smithy, Deborah, 5-25
 Snow, Marion, 5-13
 Snyders, Jan, 9-5, 11-7
 Sobol, Michael I., 6-7
 Solomon, Lewis I., 3-9
 Sorkowitz, Alfred R., 11-6
 Soulsby, Jeff, 7-1
 Sperling, Tod B., 8-14
 Stair, Ralph, Jr., 8-18
 Starita, Paul F., 12-16, 17
 Statland, Norman, 6-12
 Steifel, Max, 2-20
 Steiner, James B., 4-25
 Stevens, David F., 7-23
 Stibbens, Steven, 7-22
 Stiefel, Malcolm L., 3-7, 4-9, 6-8, 12-11, 12
 Stohrer, Michaleen, 5-20
 Storey, J.R., 7-7
 Su, Stanley Y.W., 7-13
 Sugarman, Robert, 1-6, 5-1, 9-1
 Sullivan, Linda Verekamp, 8-20
 Sutton, Richard H., 9-19
 Swann, Gloria Harrington, 5-25
 Sword, Sane, 11-4
 Sykes, D.J., 1-13
 Synnott, William R., 12-9, 10

Thomas, David B., 12-19
 Thomas, Frank B., 8-14
 Thoss, Kurt A., 6-17
 Thurber, Kenneth J., 4-12
 Tomeski, Edward A., 11-18
 Traub, W.G., 11-13

Van Rensselaer, Cort, 6-14
 Vaskevitch, David, 6-7, 7-17, 8-7, 9-6
 Vaughn, John, 4-4
 Verrico, Ben, 3-14
 Viggers, Thomas G., 11-5

Waddill, Samuel P. III, 12-18
 Walker, Gerald M., 9-24
 Walsh, Dorothy A., 9-14
 Walsh, Myles E., 4-11, 12-13, 14

Walshe, Willoughby Ann, 8-15
 Waring, Leslie, 11-4
 Warren, Carl, 12-20, 21
 Wasserman, Anthony I., 12-22
 Watson, Richard, 5-11, 7-12, 8-2, 11-7, 12-3
 Weber, Herbert, 12-22
 Weber, Ron, 4-21
 Wess, Bernard P., 6-18
 Westley, Anne, 8-9
 Weston, Steven S., 6-19
 Whieldon, David, 7-16
 Wickham, Kenneth, 6-1
 Whipple, Donald G., 2-14
 Wieselmann, Irving L., 3-8
 Williams, Philip, 5-21
 Williams, Ederyn, 7-5
 Willis, Jerry, 5-25
 Withington, F.G., 2-23
 Worthington, Roy, 4-14

Zawacki, Robert A., 6-18
 Zimmerman, Robert M., 7-24
 Zipp, John E., 7-18
 Zornes, J. Aaron, 12-4, 5
 Zvolner, Stephen M., 5-19

Subject

abend debugging, 11-7
 access control, 9-20
 accounting controls, 8-10
 accounting software, 4-3, 4
 accounting time sharing, 3-22, 23
 ACS, 2-5, 6, 10, 3-5
 ADA-DOD, 9-2
 add-on memories, 3-7
 ADP in Government, 3-25
 Advanced Communications Services, 2-5, 6, 10, 3-5
 AGNET, 7-21
 agriculture computers, 9-24
 American Airlines capacity planning, 11-8, 9
 analytic modeling, 11-6
 APEX, Automated Planning & Executive Control System, 10-16
 APL, 6-7
 APL data Communication system, 7-2, 3
 application generators, 8-14
 application programming, 2-17, 18
 applications for small computers, 5-24
 architecture for DBMS, 6-13, 14
 architecture standards, 7-23
 Arrow Gear Co., 5-19
 ASCU, 4-3
 assembly line computer system, 7-21, 22
 Association of Small Computer Users, 2-16, 4-3
 audio response/voice recognition, 10-7
 audit, 8-10, 17, 18, 9-22
 audit programs, 11-3
 auditing, 2-31, 32
 auditing bank computers, 7-19, 20, 21
 auditing data base, 3-4, 5
 auditing EDP systems, 11-3
 auditing networks, 6-18, 19
 auditing on-line data bases, 6-18, 19
 automated office information system, 11-13, 14, 15
 automated warehouse, 3-20, 21
 automatic factory, 1-7, 8, 9
 automatic test equipment, 4-15, 16
 automation, 1-6 through 9
 automobile microcomputers, 2-21, 22
 bank security plans, 8-4, 5
 bank software, 3-14
 bank system, 3-21, 22
 banking, 7-3, 10-9, 19
 BASIC, 6-7, 11-17, 18
 BASIC handbook, 11-19, 20
 BASIC texts, 8-18, 19
 BEAM: Brain Electrical Activity Mapping, 10-8, 9
 Benchmark Report, 2-16
 Benchmark Report by ASCU, 4-3
 benchmarking, 10-2, 3
 bibliography, business computers, 4-26
 big computers, 5-6
 blind computer operators, 6-4
 British fire codes, 11-4
 bubble memory, 8-7, 10-6
 building management automation, 5-19
 Burroughs Network Architecture (BNA), 1-15, 16
 business applications bibliography, 4-26
 business management computers text book, 3-24
 calcometer, 4-15, 16
 Canada — Videotex, 7-7
 capacity planning, 11-6, 8, 9
 cardiology computer techniques, 4-25
 CARDIS, 5-19
 careers in computing, 5-27
 Cargo Data Interchange, 5-19
 CAT scanner, 4-14, 15
 Caterpillar Tractor Fundamental English, 4-22
 cathode ray tubes, 8-2, 3
 CDP review manual, 4-26
 cellular-logic devices, 7-13, 14, 15
 certification testing, 11-6
 chargeback, 7-24
 charging for computer resources, 8-3
 check guarantee service, 5-19, 20
 checkless society, 5-20
 China computing industry, 6-23, 24, 25
 chip interfaces, 1-4, 5
 Citibank network, 7-3
 City National Bank, Columbus, 5-19, 20
 Civil Service exams by computer, 4-18
 Cobol, 6-7
 CODASYL, 4-12, 13
 COM, 1-17, 18
 COM peripheral, 5-20
 COMMON RPG, 7-12, 13
 Comptroller of Currency audit procedure, 4-22
 computer abuse, 3-16
 computer-aided design, 4-17, 18
 computer-aided instruction, 7-13
 computer architecture for non-numeric processing, 2-20
 computer auditing, 2-31, 32, 8-10, 9-29
 Computer Control Of Human Resource Development, 2-31
 computer crime, 9-21, 22, 10-11
 computer fraud, 10-10, 11
 computer history archives, 9-29
 computer industry changes, 2-23, 24
 computer-managed instruction, 11-16
 computer marketing report, 10-5
 computer modeling, 4-23
 computer operator job description, 4-23
 computer output microfilm, 5-20
 computer performance evaluation, 7-19
 computer planning, 9-15
 computer printers, 3-8
 computer resource charging, 8-3
 computer room security, 11-4
 computer security, 3-14 through 18
 computer system audit, 4-22
 computer system design, 7-27, 28

Charles Babbage Institute, 7-31
 backup facilities, 5-14
 bank audit, 4-22, 8-10
 bank computer auditing, 7-19, 20, 21

- computer systems primer, 9-25
- computer time charges, 2-25, 26
- computer users, 5-11
- computerized legal research, 5-17, 18
- computers for managers, 8-5, 6
- computers in law, 8-10, 11
- confidential records security, 11-2
- configuration management, 7-8, 9
- Constantine/Yourdon program design, 7-11, 12
- content addressable file store, 3-7
- contract negotiation, 5-15, 7-25, 8-1, 2, 10-9
- control systems hardware, 4-16, 17
- conversion, 2-27
- conversion packages, 11-7
- cooperative computing, 6-9, 10
- copyright of programs, 1-16
- copyrights, 3-13, 14
- courseware, 7-13
- CPA time-sharing, 3-22, 23
- CPAs, 8-12, 13
- credit authorization, 1-9
- crisis management in data processing, 6-20, 21, 22
- critical success factors, 9-26, 27
- criticism of government system, 5-12
- CRT, 8-2, 3
- CRT terminals, 10-6, 7
- cryptography, 9-21, 22
- Cylindrical Dynamic Spatial Reconstructor, 3-21

- data base, 11-7, 8
- data base administrator, 4-21
- data base audit, 3-4, 5
- data base computer, 3-2, 3, 4
- data base management, 6-12
- data base management systems, 3-1, 2, 4-11, 12
- data base processors, 4-12
- data base recovery, 4-4, 5
- data bases in Europe, 5-21, 22
- data collection, 6-15, 16
- data collection costs, 3-14
- data communications, 1-15, 2-8, 9, 10, 3-5, 4-10, 11, 5-16, 17, 7-1 through 4, 9-6, 7, 8
- data communications management, 2-9, 10
- data communications systems, 2-5, 6
- DATA computer, 4-12
- data dictionary, 6-8
- data encryption, 3-14, 15, 16
- data encryption standard, 10-5
- data encryption standards, (DES), 9-21, 22
- data entry, 2-3, 10-5
- data entry by OCR, 10-8
- data entry by voice, 10-7
- data entry management, 2-28
- data flow computer, 6-20
- data flow restrictions, 5-23
- Data General Nova 4, 4-6
- data processing management guidelines, 4-22
- data security, 3-16, 11-1, 2
- data storage, 3-24
- data transmission systems, 2-6
- databank sharing, 1-13, 14, 15
- database management systems user ratings, 9-13
- databases, 9-13, 14
- datacom net, 6-11, 12
- Dataphone Digital Service, 2-8, 9
- Dataswitch, 1-15
- DataVision — Sweden, 7-6, 7
- DBMS, 3-1, 2
- DBMS architecture, 6-13, 14

- debugging abends, 11-7
- decentralized data processing, 2-14, 15
- decision logic tables, 3-24
- DECnet, 6-9
- decision support systems, 8-12
- DEMOS, 4-13
- Department of Defense ADA, 9-2
- DES, data encryption standard, 10-5
- desktop computers, 3-9, 8-7, 8
- diagnostic tools, 6-8
- Digital Equipment Corp. LSI-11, 1-3, 4
- digital multimeters, 4-15, 16
- Digital Network Architecture, 6-9
- directory of products and services, 4-26
- disaster coverage, 11-3, 4
- disaster recovery, 6-17, 10-11, 11-4
- disk drives, 5-3
- distributed array processor, 3-7
- distributed computer control, 3-19, 20
- distributed data base, 3-1, 2
- distributed data processing text, 11-19
- distributed databases, 9-13, 14
- distributed information system, 6-12
- distributed intelligence, 7-3
- distributed processing, 2-6, 7, 8, 13, 14, 4-7, 8, 9, 6-14, 15
- distributed programs, 10-3
- distributed system, 3-1, 2
- distributed system security, 8-3, 4
- documentation, 4-4, 6-6, 7
- documentation standards, 8-14
- DP salary survey, 1-16
- DP text, 8-18, 19
- Dynamic Spatial Reconstructor, 4-14, 15
- dyslexia detection, 10-8, 9

- EDP resource management, 7-24, 25
- education, 11-16
- EFT software, 5-10
- EFT systems evaluation, 5-10
- EFTS, 5-20
- electronic information service, 7-4, 5
- electronic mail, 2-3, 4, 7-1, 2, 8-16, 9-9, 10, 11
- electronic mail regulations, 5-16
- Enclosure 48, 10-5
- encryption, 3-14, 15, 16, 7-4
- errors in data input, 9-22
- estimating system requirements, 9-18
- European data bases, 5-21, 22
- eye strain, 8-2, 3
- executive information system, 11-11, 12, 13

- facsimile, 11-9, 10
- factory data collection, 6-15, 16
- farm computers, 7-21
- fibre optics, 7-17, 8-7, 9-24
- financial modeling languages, 4-3, 4
- Finland — Viewdata, 7-5, 6
- fire control procedures, 5-13, 14
- fire prevention, 11-4
- fire protection design, 3-22
- floppy disks, 2-20
- flow charts, 3-24
- forms control and care, 9-22, 23
- Fortran, 6-7
- France — Videotex, 7-7, 8
- fraud, 3-16
- Fraud Review Task Force, AICPA, 10-10, 11
- freight, 8-7
- funds transfer system, 7-3
- future computer systems, 7-25, 26, 27
- future computers, 6-22, 23
- future telecommunications, 9-8, 9

- GE Marklink System, 4-7, 5-16
- General Electric Information Services, 3-6
- Gidding & Lewis production control system, 11-10, 11
- glossary, 8-19
- Government ADP, 3-25
- graphic input devices, 2-11, 12, 13
- graphics, 3-8, 11-10

- hard disk drives, 5-3
- hardware proliferation, 5-13
- Heublein conversion plan, 2-27
- Hewlett-Packard, 6-14, 15
- high level language, 6-1, 2, 3-12, 13
- High Order Language Working Group, 9-2
- HOLWG, 9-2
- home computer selection, 5-24
- Hong Kong computer system, 5-12
- hybrid systems, 4-13

- IBM architecture for S/38, 1-2
- IBM "E" series, 5-8
- IBM 8100 Information System, 1-2, 2-1, 2, 3
- IBM 5110 evaluation, 4-3
- IBM IMS/VS, 4-11, 12
- IBM office automation, 11-13, 14, 15
- IBM 6670 printer, 5-8
- IBM System/38, 1-1, 2, 2-22
- IBM 303X, 4-7, 8
- IBM 3630 terminals, 1-2, 3
- IBM VM/370, 5-7, 8
- ICA Conference Proceedings, 3-25
- ICL, 3-7
- identification techniques, 1-13
- IMAGE, 4-12, 13
- Image Printer, 4-6, 7
- IMS/VS, 4-11, 12
- Indeserv, 6-16, 17
- industrial control, 8-17
- Information Analysis, 4-1, 2, 3
- information industries changes, 2-23, 24
- information retrieval, 1-5
- information retrieval systems, 4-10
- information security, 7-18, 19, 9-20, 21
- information storage and retrieval, 3-2, 3, 4
- information system curriculum, 11-16, 17
- information system design, 10-14
- information system planning, 1-9, 10
- information systems concepts, 5-26
- information systems management, 7-30
- Information Technology 78 proceedings, 5-25
- input errors, 9-22
- installing small computers, 10, 11
- instruction by computer, 4-19
- instrumentation, 4-15, 16
- insurance for disasters, 11-3, 4
- intelligent data network, 2-8, 9
- interactive data communications, 5-17
- interfaces on a chip, 1-4, 5
- internal EDP audit, 11-3
- internal security mechanisms, 11-1, 2
- international data flow, 5-23
- international data processing, 2-15, 16
- international databases, 5-21, 22
- International Paper telenet, 6-11
- international privacy laws, 2-24, 25
- international trade data exchange, 5-19
- inventory records, 3-24
- I/O interface standards, 5-22, 23
- ITT Worldcom, 7-3

- Jackson (Michael) program design, 7-11, 12
- job evaluation survey, 6-18

- laboratory application, 1-3, 4
 laboratory for micros, 8-13, 14
 language translator, 4-9, 10
 languages, 6-7
 large-scale computers, 5-6
 law, 5-17, 18, 8-10, 11
 law firm application, 4-18
 leasing IBM computers, 4-14
 LEXIS, 5-17, 18
 library automation, 7-28, 9-23, 24
 library computers, 10-16
 library on-line system, 2-30
 line printers, 4-9
 LSI-11 System, 1-3, 4
- mailing DP materials, 5-15, 16
 mainframe operating systems, 5-4, 5, 6
 maintenance, 6-16, 17
 malpractice liability, 8-10
 management characteristics, 8-12
 management decision making, 4-23
 management information needs, 9-26, 27
 management information systems, 6-11, 7-30, 11-11, 12, 13
 management support, 8-5, 6
 managers' information security, 9-20, 21
 manufacturing applications, 4-17, 18
 manufacturing automation, 1-6, 7, 8, 9
 manufacturing control, 7-22
 manufacturing data processing, 2-14, 15
 manufacturing software, 5-10
 Marklink, 3-6, 4-7, 5-16
 mass storage systems, 2-28
 master file audit, 9-22
 MASTIFF security, 5-14, 15
 materials requirements planning, 7-22, 9-23
 Material Requirements Planning, 6-3, 4, 19, 20
 medical audit, 3-23
 medical data security, 11-2
 medical diagnostics, 3-21
 medical electronics, 4-14, 15
 medical/health literature retrieval, 2-30
 Medlars, 2-30
 memories, 3-7
 micro product directory, 10-16, 17
 microcomputer criticism, 5-11
 microcomputer multitasking, 7-10
 microcomputers, 5-1, 2
 microcomputers for small businesses, 2-20, 21
 microcomputers in automobiles, 2-21, 22
 microcomputers in traffic control, 2-29
 micro system design, 8-13, 14
 microfilm, 1-17, 18
 microfilm retrieval system, 7-21
 micrographics, 1-5
 micrographics in Brazil, 1-18
 microimage retrieval, 1-5
 microprocessor, 3-9
 Microprocessor Pascal, 9-4
 microprocessor software development, 7-9
 microprocessor system design, 7-22, 23
 Microsoft Fortran-80, 3-23
 MicroTIP, 9-2
 mini operating systems, 5-4, 5, 6
 mini selection, 8-12, 13
 minicomputer bank system, 3-21, 22
 minicomputer beginning text, 4-25
 minicomputer survey, 4-3
 minicomputer system design, 7-29
 minicomputer use, 5-19
 minicomputer user survey, 1-5, 6
 minicomputers, 2-22, 23, 5-2, 3
 MIS, 4-23
 MIS case study, 5-11, 12
 MIT computer innovation, 6-20
 modeling, 3-22
- modems, 2-6
 MRP, 6-19, 20, 9-23
 MRP software, 6-3, 4
 Multi-Lingual Word Processing System, 4-9, 10
 multi-processor architecture, 4-13
 multicomputer systems, 4-13
 multinational data processing, 2-15, 16
 multitasking, 7-10
 music composition, 5-23
- NBC news system, 7-21
 negotiating contracts, 5-15, 7-25
 negotiation techniques, 10-9
 networks, 1-15, 2-6, 7, 8, 3-18, 19, 6-11, 7-1, 2, 3, 4
 network diagnostic tools, 6-8
 networking, 9-6, 7, 8
 Nova 4 computer, 4-6
 numerical control, 1-6, 7, 8, 9
- OCR data entry, 10-8
 office automation, 11-13, 14, 15
 office of the future, 10-16
 oil drilling, 3-19, 20
 on-line terminals, 7-17
 operating system conversion plan, 2-27
 operating systems, 5-4, 5, 6
 operator instructions in programs, 2-16
 operator job description, 4-23
 optical character recognition (OCR), 9-25
 optical fibre datalinks, 5-3, 4
 order automation, 8-7
 OR/MS, 4-23
- PACE, 4-18
 packet networks, 4-10, 11
 packet switching, 7-2, 3
 Panvalet, 6-19
 Pascal, 6-1, 2, 7, 9-1, 2, 3, 4
 PASCAL and BASIC, 11-18
 PASCAL program, 9-4
 patents, 3-13, 14
 patient data security, 11-2
 PCMs, 4-7, 8
 PDP-11, 5-6
 performance appraisal, 9-19, 20
 performance bibliography, 5-13
 performance evaluation, 1-10, 11, 3-11, 12, 7-19, 8-19
 performance management, 7-23, 24
 performance monitors, 2-26, 27
 peripheral memories, 10-16
 personal computing, 1-19, 20, 3-32, 33, 3-23, 4-23, 24, 25, 5-23, 24, 25, 6-25, 26, 7-31, 32, 33, 8-15, 16, 17, 9-27, 28, 29, 10-11, 12, 13, 11-17, 18, 12-20, 21
 personal identification, 1-13
 pharmacy system, 3-23
 physical security, 4-19, 20, 21
 PL/1, 6-7
 planning with computers, 3-22
 plant automation, 1-6, 7, 8, 9
 plug-compatible mainframes, 4-7, 8
 portable terminals, 6-20
 postal regulations, 5-15, 16
 power supply, 7-16, 17
 Prestel, 4-10, 7-5
 PRIDE, 6-5, 6
 Prime Computer, 5-2
 printer, IBM 6670, 5-8
 printers, 3-8, 4-6, 7, 9, 10-7, 8
 privacy cost modeling, 8-11
 privacy laws, 2-24, 25
 problems for computers, 3-23
 process control, 3-18, 19
 process control hardware, 4-16, 17
 production control systems, 9-29, 11-10, 11
- production control system, APEX, 10-16
 production line micros, 4-17, 18
 program checks, 2-16
 program controls, 8-10
 program design techniques, 7-11, 12
 program maintenance, 6-7, 8
 program management and security system, 6-19
 program modification, 10-13
 program skeleton, 1-10
 program specifications, 10-1, 2
 programmer productivity, 8-8, 9
 programming introductory texts, 10-14, 15, 16
 programming languages, 9-1, 2, 3, 4
 programming micro system, 3-12, 13
 programming techniques, 10-1, 2
 project control systems, 9-17, 18
 project management, 7-29, 30
 proprietary accounting software, 4-3, 4
 PROtype typist training, 10-17
 public data networks, 9-7, 8
 Public Terminal Study, 5-17
 PUMA (Programmable Universal Machine for Assembly), 4-17, 18, 7-22
- Q Fax, 7-1
 quality assurance, 6-6
 quality assurance training on computer, 2-31
- rating guide for hardware and software, 4-14
 real-time, 9-4
 recovery from disaster, 11-4
 remote job entry, 2-14, 15, 6-14, 15
 Resource Access Control Facility, 9-20
 retail EDP, 10-9
 retail systems, 1-9
 robots, 1-8, 9
 RPG, 6-7
 RPG standards, 7-12, 13
 RPG survey, 5-11
- SADT, 4-1, 2, 3
 satellite systems, 7-4
 satellites, 9-12
 SDX CryptoLine, 7-4
 scheduling packages, 2-16
 scheduling programming, 3-12
 science course teaching computer, 4-18, 19
 second hand equipment, 4-13, 14
 security, 1-11 through 13, 3-14 through 18, 8-3, 4, 9-20, 21
 security enclosure, 10-5
 security in EDP, 11-4
 security of computer site, 4-19, 20, 21
 security of data, 11-1, 2
 security planning, 8-4, 5
 security risk analysis, 7-17, 18
 security software, 6-19
 security system, 5-14, 15
 selecting small computers, 4-14
 self-starting minis, 9-14, 15
 self teaching course, 1-20
 self-teaching introductory text, 10-16
 service center evaluation guide, 1-20
 shared computers, 6-9, 10
 simplified English, 4-22
 skeleton program methodology, 1-10
 small bank systems, 10-9, 10
 small business computer planning, 9-15
 small business microcomputers, 2-20, 21
 small business reports, 10-17
 small business systems, 3-10, 9-16, 17
 small computer evaluations, 2-16
 small computer selection, 4-14

small computer users, 11-20
 small computers, 2-10, 11, 11-17, 18
 SNA, 2-4, 5, 6, 7, 8
 software benchmark, 5-10
 software configuration, 7-8, 9
 software contracts, 8-1, 2
 software development text, 4-26
 software directory, banking, 3-14
 software evaluation, 5-10
 software for EFT, 5-10
 software for small computers, 3-23, 24
 software guide, 5-9
 software legal protection, 10-4
 software maintenance costs, 9-5
 software package directory, 10-4
 software packages survey, 3-11, 12
 software problems and productivity, 2-17
 software product engineering, 4-26
 software production, 6-5, 6
 software protection, 3-13, 14
 software quality, 4-5, 6
 software quality assurance, 4-4, 6-6
 software suppliers, 10-17
 software testing, 8-9, 10-13, 11-6
 software tools, 6-8
 sovereignty of information, 7-18, 19
 standards, 2-25
 standards for I/O interface, 5-22, 23
 strike contingency plan, 8-4
 Structured Analysis and Design Technique (SADT), 4-1, 2, 3
 structured design, 5-25, 26
 structured programming, 9-5, 6
 Sweden — DataVision, 7-6, 7
 switching system, 1-15
 support center, 11-4
 system architecture, 1-18
 system design, 7-22, 23
 system design diagrams, 10-4
 system engineering, 6-16
 system houses, 1-16, 17

System Release Discipline, 4-5, 6
 system security, 9-20, 21
 systems and services encyclopedia, 8-20
 systems design text, 11-18, 19
 systems maintenance, 11-9
 Systems Network Architecture, 2-4, 5, 6, 7, 8

Talking Information Management System, 6-4
 tape care, 9-22, 23
 tax collection system, 2-28, 29
 teaching-computer system, 4-19
 telecommunications future, 9-8, 9
 teleprocessing network, 6-11
 telex, 7-1
 Telidon — Canada, 7-7
 Telset — Finland, 7-5, 6
 terminal security, 1-11, 12
 terminal selection, 11-5
 terminals, 1-2, 3
 Texas Instruments Pascal, 9-3, 4
 text editing, 8-16
 text on computing, 5-25
 text retrieval, 7-15, 16
 third party maintenance, 6-16, 17
 TICCIT, 4-19
 time-division multiplexors, 7-2, 3
 timesharing, 6-17
 TOTAL, 4-12, 13
 trade secrets, 3-13, 14
 traffic control, 2-29
 traffic department, 8-7
 training courses in-house, 10-17
 training via computer, 2-31
 transborder data flow, 2-24, 25, 7-18, 19
 transnational data, 2-24, 25
 trends in computer industry, 2-23, 24
 trends in EDP, 2-1, 2, 3
 turnkey services, 9-16

unattended minis, 9-14, 15
 uninterruptible power supply, 7-16, 17
 union strikes, 8-4
 Univac 1100/60, 9-25
 universal data access, 1-15
 Universal Data Transfer Service (UDTS), 7-3
 urban planning, 2-18, 19
 used computer market, 4-13, 14
 user needs, 4-1, 2, 3
 users microcomputer criticisms, 5-11
 utility management, 5-19

VDU, 8-2, 3
 Versailles system design, 7-29, 30
 Videotex, 3-6
 Videotex — Canada, France, 7-7
 Videotex — UK, 7-4, 5
 Viewdata, 3-6, 4-10
 virtual memory, 11-5, 6
 virtual transaction testing (VTT), 6-18, 19
 visual display units, 8-2, 3
 VM/370, 5-7, 8
 voice recognition, 10-7

Wang Image Printer, 4-6, 7
 warehouse, 3-20, 21
 warehouse planning, 10-8
 Warner/Orr program design, 7-11, 12
 weather data, 3-23
 Weidner Communications Systems, 4-9, 10
 Westlaw, 5-17, 18
 WIGGLE, 10-4
 word and data processing, 9-24
 word processing, 1-17, 3-10, 4-9, 10, 5-20, 21, 7-27, 8-16
 WP and DP, 7-27

REFERENCE LIST

The staff of Data Processing Digest regularly monitors more than 180 computer, trade, and management periodicals for appropriate articles to digest each month. Every June issue and December Index Supplement includes all the publishers' addresses for your convenience. During other months of the year, only the periodicals

referenced in that issue are given. We ask you to please request copies of originals from the publisher of the periodical, rather than write to Data Processing Digest, as we do not copy or reprint, and your request would be delayed. Books should be ordered from their publishers or from a local technical book store.

Periodicals

ACM Computing Reviews, Association for Computing Machinery, 1133 Ave. of the Americas, New York, NY 10036
 ACM Computing Surveys, Association for Computing Machinery, 1133 Ave. of the Americas, New York, NY 10036
 Across the Board, 845 Third Ave., New York, NY 10022
 Administrative Management, Geyer-McAllister Publications, Inc., 51 Madison Ave., New York, NY 10010
 Advanced Management Journal, 135 W. 50th St., New York, NY 10020
 AEDS Journal (& Monitor), 1201 16th St. NW, Washington, DC 20036
 American City & County, Berkshire Common, Pittsfield, MA 01201
 American Gas Association Monthly, 1515 Wilson Blvd., Arlington, VA 22209
 American Laboratory, International Scientific Communications, Inc., 808 Kings Hwy., Fairfield, CT 06430
 American Scientist, 345 Whitney Ave., New Haven, CT 06511
 Armed Forces Comptroller, P.O. Box 91, Mt. Vernon, VA 22121
 Asian Computer Monthly, Newsletter of Hong Kong Computer Society, Computer Publications, Ltd., 22 Wyndham St., 7th Fl., Hong Kong

Australian Computer Journal, P.O. Box 640, Crows Nest, NSW 2065, Australia
 Autotransaction Industry Report, International Data Corp., P.O. Box 915, Waltham, MA 02254
 Bank Administration, 303 S. Northwest Highway, Park Ridge, IL 60068
 Banking Journal, American Bankers Association, 350 Broadway, New York, NY 10013
 Bank Systems & Equipment, 1515 Broadway, New York, NY 10036
 Best's Review, (Life & Health), Oldwick, NJ 08858
 Best's Review, (Property & Casualty), Oldwick, NJ 08858
 Bulletin of Information Technology Service, H.F. Sherwood & Assoc., rue de l'Hopital 3, Boite Postale 871, CH-1700 Fribourg, Switzerland
 Burroughs Clearing House, P.O. Box 418, Detroit, MI 48232
 Business Horizons, Grad. School of Business, Indiana University, Bloomington, IN 47401
 Byte, 70 Main St., Peterborough, NH 03458
 CA Magazine, Institute of Canadian Chartered Accountants, 250 Bloor St. E, Toronto M4W 1G5, Ontario, Canada
 California Management Review, Graduate School of Business Administration, University of California, Berkeley, CA 94720

- Canadian DataSystems, Maclean-Hunter Ltd., 481 University Ave., Toronto, Ontario M5W 1A7, Canada
- Canadian Office, Whitest Publishing Co., 2 Bloor St. W, Suite 2504, Toronto, Ontario M4W 3E2, Canada
- Chain Store Age Executive, Lebar-Friedman, Inc., 425 Park Ave., New York, NY 10022
- CIPS Review, Canadian Information Processing Society, P.O. Box 76, Smiths Falls, Ontario, K7A 4S9, Canada
- Columbia Journal of World Business, 408 Uris Hall, Columbia Hall, New York, NY 10027
- Communications, Cardiff Publishing Co., 3900 S. Wadsworth Blvd., Denver, CO 80235
- Communications News, 124 S. First St., Geneva, IL 60134
- Communications of ACM, 1133 Ave. of the Americas, New York, NY 10036
- Computer, IEEE Computer Society, 5855 Naples Plaza, Rm. 301, Long Beach, CA 90803
- Computer Age, 7620 Little River Turnpike, Annandale, VA 22003
- Computer-Asia, Capital Bldg., 3rd Fl., 175 Lockhart Rd., Wanchai, Hong Kong
- Computer Communications, IPC Science and Technology Press, Ltd., P.O. Box 63, Westbury House, Bury St., Guildford, Surrey GU2 5AW, England
- Computer Communication Review, SIGCOMM (ACM), 1133 Ave. of the Americas, New York, NY 10036
- Computer Decisions, Hayden Publishing Co., Inc., 50 Essex St., Rochelle Park, NJ 07662
- Computer Design, 11 Goldsmith St., Littleton, MA 01460
- The Computer Journal, The British Computer Society, 13 Mansfield St., London W1M 0BP, England
- Computer/Law Journal, 530 W. 6th St., 10th Fl., Los Angeles, CA 90014
- Computer Law and Tax Report, 100 Tower Office Park, Woburn, MA 01801
- Computer Music Journal, People's Computer Co., Box E, 1263 El Camino Real, Menlo Park, CA 94025
- Computer Negotiations Report, International Computer, Negotiations, Inc., 1331 Palmetto Ave., Winter Park, FL 32789
- Computer Networks, North-Holland Publishing Co., P.O. Box 211, Amsterdam, The Netherlands
- Computer Security, Computer Security Institute, 5 Kane Industrial Dr., Hudson, MA 01749
- COM-S.A.C., Computer Security, Auditing and Controls, Management Advisory Publications, P.O. Box 151, Wellesley Hills, MA 02181
- Computer Weekly, IPC Electrical & Electronic Press, Dorset House, Stamford St., London, SE1 9LU, England
- ComputerData, Whitest Publishing Ltd., Suite 2504, 2 Bloor St. W, Toronto, Ontario M4W 3E2, Canada
- Computers & Medicine, American Medical Association, 535 N. Dearborn St., Chicago, IL 60610
- Computers & Operations Research, Pergamon Press, Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Computers & People, 815 Washington St., Newtonville, MA 02160
- Computerworld, 797 Washington St., Newton, MA 02160
- Computing In Your Business, Canning Publications, 925 Anza Ave., Vista, CA 92083
- Computing Newsletter, College of Business Administration, University of Colorado, Cragmor Road, Colorado Springs, CO 80907
- Control Engineering, 222 S. Riverside Plaza, Chicago, IL 60606
- Coopers and Lybrand Newsletter, 1251 Ave. of the Americas, New York, NY 10020
- Creative Computing, Box 789-M, Morristown, NJ 07960
- The Credit World, 375 Jackson Ave., St. Louis, MO 63130
- DATA, Kronprinsengade 14, Box 113, 1004 Kobenhavn K, Denmark
- Data Base, SIGBDP (ACM), 1133 Ave. of the Americas, New York, NY 10036
- Data Entry Awareness Report, Management Information Corp., 140 Barclay Center, Cherry Hill, NJ 08034
- Data Entry Digest and Distributed Processing, The Marketeers, Inc., 10522 Ridgeway Dr., Santa Ana, CA 92705
- Data Management, Data Processing Management Assn., 505 Busse Highway, Park Ridge, IL 60068
- Data Processing, IPC Electrical-Electronic Press, Ltd., 79/80 Blackfriars Road, London SE1 8HN, England, or IPC-America, Inc., 205 E. 42nd St., New York, NY 10017
- Data Processor, IBM Corp., 1133 Westchester Ave., White Plains, NY 10604
- Data Systems, Embankment Press, Ltd., Bldg. 59, GEC Estate, East Lane, Wembley, Middlesex HA9 7TQ, England
- Data Base Journal, A.P. Publications, Ltd., 322 St. John Street, London, EC1V 4QH, England
- Datacomm Advisor, International Data Corp., P.O. Box 915, 214 Third Ave., Waltham, MA 02154
- Datacomm Awareness Report, Management Information Corp., 140 Barclay Center, Cherry Hill, NJ 08034
- DataComm User, DataComm User, Inc., 60 Austin St., Newtonville, MA 02160
- Datamation, 666 5th Ave., 8th Floor, New York, NY 10019
- DCF Systems Ltd. (Management Notes), 74 Victoria St., Toronto, Ontario M5C 2A5, Canada
- Digital Processes, Georgi Publishing, CH 1813 St. Saphorin, Switzerland
- Dimensions NBS, National Bureau of Standards, Office of Information Activities, Washington, DC 20234
- Distributed Processing Digest, 10522 Ridgeway Drive, Santa Ana, CA 92705
- Distributed Processing Newsletter, International Data Corp., P.O. Box 915, 214 Third Ave., Waltham, MA 02254
- Dr. Dobbs Journal, Box E, Menlo Park, CA 94025
- Dun's Review, 666 Fifth Ave., New York, NY 10019
- EDP Analyzer, 925 Anza Ave., Vista, CA 92083
- EDP Auditor, EDP Auditors Assn., Inc., 7024 Edgebrook Lane, Hanover Park, IL 60103
- EDP Europa Report, IDC Europe Ltd., 2 Bath Road, Chiswick, London W4 1LN, England
- EDP Industry Report, P.O. Box 915, 214 Third Ave., Waltham, MA 02254
- EDP Performance Review, Applied Computer Research, P.O. Box 9280, Phoenix, AZ 85068
- EDP Training News, Carnegie Press, Inc., Carnegie Bldg., Hillcrest Rd., Madison, NJ 07940
- EDPACS, Automation Training Center, Inc., 11250 Roger Bacon Drive, Suite 17, Reston, VA 22070
- Electronic Mail & Message Systems, 30 High Street, Norwalk, CT 06851
- Electronics, McGraw-Hill Bldg., 1221 Ave. of the Americas, New York, NY 10020
- European Community, Delegation of the Commission of the European Communities, 2100 M. St. NW, Suite 707, Washington, DC 20037
- Finance & Development, International Monetary Fund Bldg., Washington, DC 20431
- Finance Magazine, 8 West 40th St., New York, NY 10018
- Forbes, 60 Fifth Ave., New York, NY 10011
- The Furrow, Public Relations Dept., Deere & Co., Moline, IL 61265
- The Government Accountants Journal, 727 S. 23rd St., #120, Arlington, VA 22202
- Government Executive, Executive Publications, Inc., 1725 K St., NW, Washington, DC 20006
- Graphic Arts Monthly, 222 S. Riverside Plaza, Suite 1500, Chicago, IL 60606
- Harvard Business Review, Soldiers Field Station, Boston, MA 02163
- Hospital & Health Services Administration, American College of Hospital Administrators, 840 N. Lake Shore Dr., Chicago, IL 60611
- Hospital Newsletter (Shared Medical Systems), 650 Park Ave., King of Prussia, PA 19406
- Hospital Progress, 1438 S. Grand Blvd., St. Louis, MO 63104
- IBM Journal of Research & Development, International Business Machines, Armonk, NY 10504
- IBM Systems Journal, International Business Machines, Armonk, NY 10504
- ICA Information, 78 Yirmiyahu St. Romema, P.O. Box 13080, Jerusalem, Israel
- ICP Interface (Administrative and Accounting, Data Processing Management, Banking Industry, Management and Engineering), International Computer Programs, Inc., 9000 Keystone Way, Carmel, IN 46032
- IEEE Spectrum, 245 E. 47th St., New York, NY 10017
- IMC Journal, International Micrographic Congress, P.O. Box 22440, San Diego, CA 92122
- A 30092

- Industrial Engineering, 25 Technology Park/Atlanta, Norcross, GA 30092
- Industrial Research/Development, 1301 S. Grove Ave., Barrington, IL 60010
- Info-Canadian Journal of Operations Research & Information Processing, Journal Dept., University of Toronto Press, 5201 Dufferin St., Downsview, Ontario M3H 5T8, Canada
- Information & Management, North-Holland Publishing Co., P.O. Box 103, 1000 AC Amsterdam, The Netherlands
- Information & Records Management, 250 Fulton Ave., Hempstead, NY 11550
- Information Retrieval & Library Automation, Lomond Publications, Inc., Mt. Airy, MD 21771
- Information Technology, Association of Timesharing Users, Association of Small Computer Users, P.O. Box 9003, Boulder, CO 80301
- Infosystems, Hitchcock Bldg., Wheaton, IL 60187
- Installation Management Review, SIGCOSIM (ACM), 1133 Ave. of the Americas, New York, NY 10036
- ITE Journal, Institute of Transportation Engineers, 1815 N. St. Myer Dr., Suite 905, Arlington, VA 22209
- InTech, 400 Stanwix St., Pittsburgh, PA 15222
- Instruments & Control Systems, P.O. Box 2025, Radnor, PA 19089
- Interactive Computing, The Association of Time-Sharing Users, P.O. Box 9003, Boulder, CO 80303
- Interface, ICP: International Computer Programs, Inc., 9000 Keystone Way, Carmel, IN 46032
- Interface Age (Computing for Home & Business Applications), Interface Age Magazine, 16704 Marquardt Ave., Cerritos, CA 90701
- Interface NCC, Journal of U.K. National Computing Centre, Ltd., Oxford Road, Manchester M1 7ED, England
- Interfaces (TIMS), The Institute of Management Sciences, 146 Westminster St., Providence, R.I. 02903
- Interpreter, Insurance Accounting and Statistical Association, Mutual Plaza, Durham, NC 27701
- Journal of Accountancy, 1211 Ave. of the Americas, New York, NY 10036
- Journal of AEDS, 1201 16th St. NW, Washington, DC 20036
- Journal of Bank Research, 303 S. Northwest Hwy., P.O. Box 500, Park Ridge, IL 60068
- Journal of Business, Graduate School of Business, University of Chicago Press, 5801 Ellis Ave., Chicago, IL 60637
- Journal of Documentation, 3 Belgrave Sq., London, SW1 X8PL, England
- Journal of Educational Data Processing, IDEOS Inc., P.O. Box 867, Soquel, CA 95073
- Journal of Micrographics, 8719 Colesville Rd., Silver Spring, MD 20910
- Journal of Purchasing and Materials Management, 11 Park Place, Suite 1800, New York, NY 10007
- Journal of Quality Technology, 161 W. Wisconsin Ave., Milwaukee, WI 53203
- Journal of Systems Management, 24587 Bagley Rd., Cleveland, OH 44138
- Jurimetrics Journal, American Bar Association, 1155 E. 60th St., Chicago, IL 60637
- Kilobaud Microcomputing, Peterborough, NH 03458
- Law and Computer Technology, World Peace Through Law Center, 1000 Connecticut Ave. NW, Washington, DC 20036
- Law Offices Economics and Management, Callaghan & Co., 3201 Old Glenview Rd., Wilmette, IL 60091
- Management Accounting, 919 Third Ave., New York, NY 10022
- Management Accounting, Institute of Cost and Management Accounting, 63 Portland Pl., London W1N 4AB, England
- Management Controls now Management Focus
- Management Focus, Peat, Marwick Mitchell & Co., 345 Park Ave., New York, NY 10022
- Manufacturing Engineering, One SME Drive, P.O. Box 930, Dearborn, MI 48128
- Micro, Box 6502, Chelmsford, MA 01102
- Micrographics Australasia, KOTAM Writing, Box 414, P.O. Artamon, NSW, Australia
- Mini-Micro Software (& Small Systems Software), A.P. Publications Ltd., 322 St. John St., London EC1V 4QH, England
- Mini-Micro Systems, 221 Columbia Ave., Boston, MA 02116
- Minicomputer News, Benwill Publishing Corp., 1050 Commonwealth Ave., Boston, MA 02215
- Modern Materials Handling, 221 Columbus Ave., Boston, MA 02116
- Modern Railroads, Cahners Publishing Co., 5 S. Wabash Ave., Chicago, IL 60603
- Nation's Cities Weekly, National League of Cities, 1620 Eye St. NW, Washington, DC 20006
- NBS Update, U.S. Department of Commerce, National Bureau of Standards, Washington, DC 20234
- NZ Data Processing, 4th Estate Publishing Co., P.O. Box 1449, Wellington, New Zealand
- The Office, Office Publications, Inc., 1200 Summer Street, Stamford, CT 06904
- OMEGA, The International Journal of Management Science, Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- onComputing, 70 Main St., Peterborough, NH 03458
- On-Line, Computer & Communications Industry Association, 1500 Wilson Blvd., Suite 512, Arlington, CA 22209
- Online, 11 Tannery Lane, Weston, CT 06883
- Operating Systems Review, SIGOPS (ACM), 1133 Ave. of the Americas, New York, NY 10036
- Optimum, Bureau of Management Consulting, 365 Laurier Ave. W., Ottawa, Ontario K1A 0T5, Canada
- Payment Systems Action Report, Payment Systems, Inc., 90 Park Ave., New York, NY 10016
- Performance Evaluation Review, SIGMETRICS (ACM), 1133 Ave. of the Americas, New York, NY 10036
- Personal Computing, 167 Corey Rd., Brookline, MA 02146
- Popular Computing, Box 272, Calabasas, CA 91302
- The Practical Lawyer, 4025 Chestnut St., Philadelphia, PA 19104
- Price-Waterhouse Review, 1251 Ave. of the Americas, New York, NY 10020
- Privacy Journal, P.O. Box 8844, Washington, DC 20003
- Production Engineering (formerly Automation), Penton Publishing Co., Penton Plaza, 1111 Chester Ave., Cleveland, OH 44114
- Production & Inventory Management, Journal of the American Production & Inventory Control Society, Watergate Office Bldg., 2600 Virginia Ave., Suite 504, Washington, DC 20037
- Public Personnel Management, International Personnel Management Association, 1850 K St. NW, Suite 870, Washington, DC 20006
- Public Power, 2600 Virginia Ave. NW, Suite 212, Washington, DC 20037
- Publishers Weekly, 1180 Ave. of the Americas, New York, NY 10036
- Quick Strokes, Box 643, West Sacramento, CA 95691
- Railway Avenue, 350 Broadway, New York, NY 10013
- Rainbow, Box 43, Audubon, PA 19407
- Recreational Computing (formerly People's Computers), 1263 El Camino Real, Box E, Menlo Park, CA 94025
- Recreational Programmer, P.O. Box 2571, Kalamazoo, MI 49003
- Retail Control, Financial Executives Division, National Retail Merchants Association, 100 W. 31st St., New York, NY 10001
- ROM, Rt. 97, Hampton, CT 06247
- Savings & Loan News, 111 E. Wacker Dr., Chicago, IL 60601
- Savings Bank Journal, 200 Park Ave., New York, NY 10017
- Scientific American, 415 Madison Ave., New York, NY 10017
- Simulation, P.O. Box 2228, La Jolla, CA 92037
- Sloan Management Review, Sloan School of Management, M.I.T., Cambridge, MA 02139
- Small Business Computer News, Management Information Corp., 140 Barclay Center, Cherry Hill, NJ 08034
- Small Systems World, 53 W. Jackson Blvd., Chicago, IL 60604
- Small Systems Software & Mini Micro Software, A.P. Publications Ltd., 322 St. John Street, London, EC1V 4QH, England
- Software Exchange, Box 55056, Valencia, CA 91355
- Software Practice and Experience, John Wiley & Sons, Ltd., Baffins Lane, Chichester, Sussex, England
- Software World, A.P. Publications, Ltd., 322 St. John Street, London, EC1V 4QH, England
- The South African Chartered Accountant, National Council of Chartered Accountants, P.O. Box 964, Johannesburg, 20000, Republic of South Africa
- Stores, 100 W. 31st St., New York, NY 10001
- Systems, Technology & Science for Law Enforcement & Security, Lomond Systems, Inc., Mt. Airy, MD 21771
- Technology Review, M.I.T., Room 10-140, Cambridge, MA 02139

Tooling and Production, Huebner Publications, Inc., 5821 Harper Road, Solon, OH 44139
 Traffic Management, Cahners Publishing Co., Inc., 221 Columbus Ave., Boston, MA 02116
 Transnational Data Report, The Wayne Smith Co., 500 12th St. SW, Suite 810, Washington, DC 20024
 Trusts and Estates, 461 Eighth Ave., New York, NY 10001
 TypeWorld, Blum Publications, 15 Oakridge Circle, Wilmington, MA 01887
 U.S. News & World Report, 2300 N St. NW, Washington, DC 20037
 Vectors, Hughes Aircraft, Culver City, CA 90230
 Watnews, Computer Systems Group, University of Waterloo, Waterloo, Ontario N2L 3G1, Canada
 Western Electric Engineer, 225 Broadway, New York, NY 10038
 Which Computer? 30-31 Islington Green, London N1 8BJ, England
 Word Processing World, Geyer-McAllister Publishing, Inc., 51 Madison Ave., New York, NY 10010
 The Yourdon Report, Yourdon, Inc., 1133 Ave. of the Americas, Suite 3830, New York, NY 10036

Book Publishers

Academic Press, Inc., 111 Fifth Ave., New York, NY 10003
 Addison-Wesley Publishing Co., Jacob Way, Reading, MA 01867
 Addison Wesley Ltd., Box 580, 360 Prince Andrew Pl., Don Mills, Ontario M3C 2T8, Canada
 AFIPS Press, 1815 N. Lynn St. #800, Arlington, VA 22209
 AMACOM, American Management Association, Inc., 135 W. 50th St., New York, NY 10020
 American Elsevier Publishing Co., 52 Vanderbilt Ave., New York, NY 10017
 Auerbach Publications, Inc., 6560 N. Park Dr., Pennsauken, NJ 08109
 Bobbs-Merrill Co., Inc., 4 West 58th St., New York, NY 10019
 Canfield Press, 850 Montgomery St., San Francisco, CA 94133
 Chilton Book Co., Radnor, PA 19087
 Columbia University Press, 440 W. 110th St., New York, NY 10025
 Compusoft Publishing, 8643 Navajo Rd., San Diego, CA 92119
 Dilithium Press, P.O. Box 92, Forest Grove, OR 97116
 Enslow Publishers, 60 Crescent Place, Box 301, Short Hills, NJ 07078
 Ethnotech, Inc., Box 6627, Lincoln, NE 68506
 The Goodyear Publishing Co., 1640 Fifth St., Santa Monica, CA 90401
 Harper & Row, 10 E. 53rd St., New York, NY 10022
 Holden-Day, Inc., 500 Sansome St., San Francisco, CA 94111
 Richard D. Irwin, 1818 Ridge Ave., Homewood, IL 60403
 McGraw-Hill Book Co., 1221 Ave. of the Americas, New York, NY 10020
 Charles E. Merrill Publishing Co., 1300 Alum Creek Dr., Columbus, OH 43216
 Martinus Nijhoff, Social Sciences Division, P.O. Box 33, Leiden, The Netherlands, or 160 Old Derby St., Hingham, MA 02043
 North-Holland Publishing Co., P.O. Box 211, Amsterdam, The Netherlands
 The Pergamon Press, Ltd., Headington Hill Hall, Oxford OX3 0BW, England
 Pergamon Press, Inc., Maxwell House, Fairview Park, Elmsford, New York 10523
 Petrocelli Books, Inc., 641 Lexington Ave., New York, NY 10022
 Prentice-Hall, Englewood Cliffs, NJ 07632
 Robotics Press, International Scholarly Book Service, P.O. Box 555, Forest Grove, OR 97116
 Science Research Associates, 1540 Page Mill Rd., Palo Alto, CA 94304
 Van Nostrand-Reinhold Co., 135 W. 50th St., New York, NY 10020
 Wiley Interscience (see John Wiley & Sons)
 John Wiley & Sons, 605 Third Ave., New York, NY 10016

Organizations

American Bankers Association, 350 Broadway, New York, NY 10013
 AFIPS, American Federation of Information Processing Societies, 1815 N. Lynn St. #800, Arlington, VA 22209
 American Institute of CPAs, 270 Madison Ave., New York, NY 10016
 AIIE, American Institute of Industrial Engineers, 25 Technology Park/Atlanta, Norcross, GA 30071
 American National Standards Institute, 1430 Broadway, New York, NY 10018
 Association for Computing Machinery, 1133 Ave. of the Americas, New York, NY 10036
 Association for Systems Management, 24587 Bagley Road, Cleveland, OH 44138
 Association of Computer Programmers & Analysts (ACPA), P.O. Box 95, Kensington, MD 20795
 ADAPSO, Association of Data Processing Service Organizations, 551 Fifth Ave., New York, NY 10017
 ATSU, Association of Time-Sharing Users, See: Time-Sharing-Users-I, See: Interactive Computing
 British Computer Society, 29 Portland Pl., London W1N 4HU, England
 Computer and Communications Industry Association, 1500 Wilson Blvd., Arlington, VA 22305
 Data Processing Management Association, 505 Busse Highway, Park Ridge, IL 60068
 Time-Sharing-Users-I (formerly Association of Time-Sharing Users), P.O. Box 9003, Boulder, CO 80301

Software Directories

Computer Software Directory, P.O. Box 270, Newtonville, MA 02160
 International Computer Programs, Inc., 1119 Keystone Way, Carmel, IN 46032
 Minicomputer Data Services, 20 Coventry Lane, Riverside, CT 06878
 Software Exchange, Box 55056, Valencia, CA 91355

